RISO, INC. **TECHNICAL INFORMATION BULLETIN**

Subject: RC SERIES MASTER SENSOR **BULLETIN NO.: 091**

[ ] Factory Modification **[ ] Field Modification** **[ ] Safety Information** **[X] Technical Information** **[ ] General Information** **[ ] Adv. Tech Information**	**Applies to:** **RC SERIES**	**Modification Schedule:** **[ ] TBS** **[ ] Next Call** **[ ] Next PM** **[X] As Necessary**	**Factory Installed_____** **Field Installed_____** **FittingTime _____**

ETR Data over the past several months show high activity in adjusting the RC Master Sensor.

The RC Machines may display different symptoms or error messages, depending upon when the failure occurs during the copy cycle.

Symptoms:

1. No Master On Drum displayed on the LCD..
2. No Test Print is delivered to the Receiving Tray and the machine stops.
3. Machine will not operate in ADF Mode.
4. After a Master Disposal Jam, the machine continues to display "Master Disposal Jam" (cycle after cycle) after resetting this condition.
5. Master feeds beyond the Clamp Plate toward the Disposal Rollers, a "Restart Master Making" or "No Master On Drum" message is displayed.

To properly check the calibration of the Master Sensor:

- First identify if the machine is GA or Non GA.
- Master Sensor GA - adjust VR 8 System Main PCB.
- Master Sensor Non GA - adjust VR 4 System Main PCB.

Note:

- Do not confuse the potentiometers with the Master Positioning Sensor.
- Master Positioning Sensor GA - adjust VR 4 System Main PCB.
- Master Positioning Sensor Non GA - adjust VR 5 System Main PCB.

When adjusting the Master Sensor Potentiometer:

- Adjust the pot all the way clockwise, then turn it counter-clockwise 1/8 to 1/4 of a turn.
- This procedure has proven effective in the field.

When adjusting the Master Sensor Bracket: (LED light angle toward the Drum)

- Place the machine in Test Mode 11. ("C" Magnet detection)
- Rotate the Drum counter-clockwise (to the left) until a fast tone is heard.
- When the fast tone is heard, the Drum is positioned at the "C1" position.
- There is a black patch on the Drum, directly beneath the Master Sensor in this position.
- If the Master Sensor light beam is not dead center, (on the black patch) adjust the Master Sensor Bracket up or down until the light beam is correct. (This adjustment is very critical for proper opera tion.)

Note:

All RC Technical Manuals are written in Non - GA form, always check potentiometer numbers (GA or Non - GA) prior to adjusting. (Please note VR changes in your Technical Manuals.)